

DTFN elite T5 through access

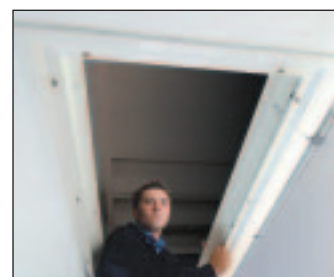
Healthcare: IP65/54 Non-modular recessed T5 through access luminaire



DTFNWGH428TA



Solid aluminium jacking bracket



Easy access to ceiling void

APPLICATION

- Areas where access to void surfaces must be provided via the luminaire
- Unclassified areas with non modular ceilings requiring a sterile environment such as hospital kitchens, operating theatres, pharmacies etc
- IP65/54 protection, a gap free front face and rapid maintenance features make DTFN-TA ideally suitable for clean rooms with non-modular ceilings classified up to EEC GMP Class C or FS209D class 1,000 and ACDP class 1 & 2 where the luminaire is required to provide access to maintain void services

SPECIFICATION

- Lamp options:
 - 4 x 28W T5
 - 3 or 4 x 54W T5
- Excellent colour rendition and 20,000 hours rated life
- Front access with the fixings inside the sealed lid to provide void access
- Hinged lid
- Dual IP rated – to a BSI tested and certified construction as protecting the room to IP65 from void contamination with the front frame and IP54 with the frame removed
- Cut and prepared aperture ceilings and sandwich panels with capped aperture reinforcements up to a depth of 90mm with standard brackets or 153mm with special deep ceiling bracket
- Extruded aluminium fixed outer frame (gasketed to ceiling) and removable inner frame integrate in line but at an angle to eliminate a vertical gap. Additional mastic sealant between outer frame and ceiling does not impede lamp access
- Diffuser securely clamped but easily removable from frame for replacement
- Solid aluminium side arm jacking brackets adjusted from within the sealed body
- High frequency gear, 3 hour integral emergency (when required)
- Concealed front frame fixings and White RAL 9016 full gloss frames as standard on all options
- All optics are TP(a) rated
 - Cat 2 louvre above 4mm toughened glass or clear 3mm fireguard material
 - Prismatic acrylic above 4mm toughened glass
 - Single 3mm sheet prismatic fireguard material

Note: a glass front face resists all cleaning chemicals and is best for a sterile environment if advice is needed contact the Whitecroft technical desk

- Fused terminal block/socket
- Supplied without lamps – 4000K recommended in clean room or medical applications

Note: for a comprehensive range of standard access products see our clean area section page 231

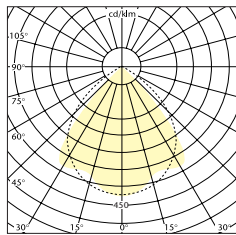
PHOTOMETRY

DTFN T5 Through Access

CAT 2 LOUVRE/CLEAR
TP(a) SHEET
4 x 28W T5 Lamps



- LOR = 61.5%
- SHR MAX = 1.55



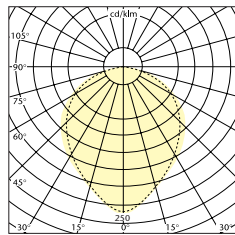
UTILISATION FACTORS UF(F)											SHR NOM=1.50
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.43	0.49	0.53	0.56	0.60	0.62	0.63	0.65	0.66
0.50	0.30	0.20	0.39	0.45	0.49	0.52	0.55	0.58	0.59	0.61	0.63
0.00	0.00	0.00	0.35	0.41	0.45	0.47	0.51	0.53	0.54	0.56	0.57

DTFN T5 Through Access

PRISMATIC TP(a)
4 x 28W T5 Lamps



- LOR = 64.7%
- SHR MAX = 1.42



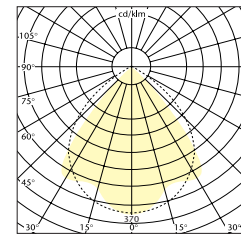
UTILISATION FACTORS UF(F)											SHR NOM=1.25
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.37	0.43	0.48	0.52	0.56	0.60	0.62	0.65	0.67
0.50	0.30	0.20	0.31	0.38	0.42	0.46	0.51	0.54	0.57	0.60	0.62
0.00	0.00	0.00	0.26	0.32	0.37	0.40	0.45	0.48	0.50	0.54	0.56

DTFN T5 Through Access

CAT 2 LOUVRE/CLEAR
TP(a) SHEET
4 x 54W T5 Lamps

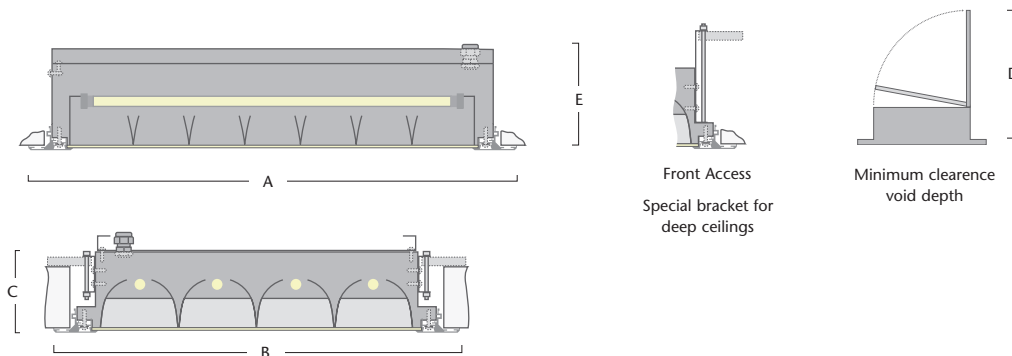


- LOR = 54.3%
- SHR MAX = 1.51



UTILISATION FACTORS UF(F)											SHR NOM=1.50
Room Reflectance			Room Index								
C	W	F	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.38	0.44	0.47	0.49	0.53	0.55	0.60	0.58	0.59
0.50	0.30	0.20	0.35	0.40	0.43	0.46	0.49	0.51	0.53	0.54	0.55
0.00	0.00	0.00	0.31	0.36	0.40	0.42	0.45	0.47	0.48	0.49	0.50

DIMENSIONS



LAMP PERFORMANCE MATRIX

WATTAGE	IL@25°C	LAMP LIFE
1 x 28W	2600	20,000
1 x 54W	4450	

LAMP WAYS	LENGTH OVER FRONT FRAME TRANSVERSE MM A	LENGTH OVER FRONT FRAME AXIAL MM B	OVERALL DEPTH C	VOID CLEARANCE D	DEPTH OVER GLAND E	CUT APERTURE
4 x 28W	1325	603	145	625	152	1277 x 555
3 or 4 x 54W T5	1325	603	145	625	152	1277 x 555

Note: For maximum fixing depths see application

ORDER CODES – DTFN ELITE THROUGH ACCESS

IP65/54 NON-MODULAR RECESSED T5 CLEAN ROOM THROUGH ACCESS LUMINAIRE

SUPPLIED LESS LAMPS	CAT 2 LOUVRE ABOVE 4MM TOUGHENED GLASS	CAT 2 LOUVRE ABOVE 3MM CLEAR TP(a) RATED SHEET	PRISMATIC ACRYLIC ABOVE 4MM TOUGHENED GLASS	PRISMATIC TP(a) SINGLE SHEET
4 x 28W T5	DTFNWGH428TA	DTFNWFH428TA	DTFNAGH428TA	DTFNKH428TA
3 x 54W T5	DTFNWGH354TA	DTFNWFH354TA	DTFNAGH354TA	DTFNKH354TA
4 x 54W T5	DTFNWGH454TA	DTFNWFH454TA	DTFNAGH454TA	DTFNKH454TA

Note: The standard DTFN Elite range is detailed in the clean area section of the catalogue see page 247

DEEP CEILING BRACKET for ceilings up to 153mm (back access) order separately as 150CBKT1200 for 28 and 54W lamps

ANALOGUE DIMMING Replace H in above codes with R

R Analogue dimming gear, i.e. DTFNKR428TA

Note: Other regulating methods (digital DSI, DALI, push-dim) available on request

EMERGENCY Add suffix to order codes above

EMIN 3 hour integral emergency, i.e. DTFNKGH428TAEMIN

To specify state:

Recessed non-modular T5 clean room luminaire for cut/prepared aperture ceilings to a BSI tested and certified construction as IP65 frame on IP54 frame off with twin in line extruded aluminium frames with angled integration and concealed front frame fixings.

The luminaire is to provide access to void services. Suspension via solid aluminium jacking brackets adjusted from below – as Whitecroft Lighting DTFN ELITE T5 THROUGH ACCESS

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